

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S67	10	"20030147601" "20030186674" "20030090320" "20030124984" "20030113059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 10:44
S68	1	triplexer with laser with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:10
S69	1	triplexer with laser with photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/04 16:18
S70	1158	laser with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/04 16:19
S71	275	laser with photodiode with substrate and "385"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/04 16:19
S72	9	\$5plexer with laser with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S73	234	transistor adj outline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:11
S75	2	((transistor adj outline) or (TO adj (package or can))) with laser with photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:16
S76	6470	(vertical adj cavity adj surface adj emitting adj laser) or vcsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:17

## EAST Search History

S77	517	((vertical adj cavity adj surface adj emitting adj laser) or vcsel) with photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:18
S79	105	((vertical adj cavity adj surface adj emitting adj laser) or vcsel) with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:18
S80	100	S79 not @ad>="20040310"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:19
S82	18	S80 and \$plexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:31
S85	2	triplex\$3 and photodiode and substrate and ((vertical adj cavity adj surface adj emitting adj laser) or vcsel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:36
S88	237	photodiode and InGaAs and substrate and ((vertical adj cavity adj surface adj emitting adj laser) or vcsel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:39
S90	157	photodiode and InGaAs same substrate and ((vertical adj cavity adj surface adj emitting adj laser) or vcsel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:40
S91	82	photodiode and InGaAs with substrate and ((vertical adj cavity adj surface adj emitting adj laser) or vcsel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:48
S93	20	photodiode and InGaAs near3 substrate and ((vertical adj cavity adj surface adj emitting adj laser) or vcsel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:48
S94	19	S93 not @ad>="20040310"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:55

## EAST Search History

S95	3831	385/14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 18:26
S96	1	385/14.ccls. and triplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:39
S97	70	385/14.ccls. and photodiode with laser with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 09:57
S98	42	385/14.ccls. and photodiode with laser with substrate and \$5plex\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 11:32
S99	387	(laser with nm) same (photodiode with nm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 11:36
S10 2	29	(laser with nm) same (photodiode with nm) same ("1310" "1490" "1550")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 15:25
S10 4	4	"20030026515" "6220764".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/05 16:10
S10 8	925	semiconductor with laser with ingaas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:19
S11 0	5	S108 with multiplex\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:21
S11 1	1386	372/96.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:21

## EAST Search History

S11 2	458	372/96.ccls. and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:22
S11 3	32	372/96.ccls. and vcsel with photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:25
S11 4	5	372/96.ccls. and vcsel with photodiode and multiplex\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:31
S11 5	87	vcsel with "1310"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:32
S11 6	3	vcsel with "1310" with ingaas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:41
S11 7	1411	photodiode with ((another or second) adj photodiode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 13:41
S11 8	170	photodiode with ((another or second) adj photodiode) with laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 15:10
S12 0	146	photodiode with cutoff	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 15:10
S12 1	2	photodiode with cutoff with dop\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/10 15:11
S12 2	14	((ingaas with substrate) same (semiconductor with laser)) and multiplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/12 08:38

## EAST Search History

S12 3	6	"5914976".pn. "20030053171" "20040042736"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:20
S12 4	153	398/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:26
S12 5	25	S124 and laser and filter and photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S12 6	2	S124 and laser same filter same photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:26
S12 7	10	"20030147601" "20030186674" "20030090320" "20030124984" "20030113059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S12 8	10	S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S12 9	1	triplexer with laser with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S13 1	2	triplexer with laser with photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S13 2	2	S131	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37
S13 3	1202	laser with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:37

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S13 4	1202	S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:38
S13 5	288	S134 and "385"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:41
S13 6	9	\$5plexer with laser with photodiode with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:38
S13 7	9	S136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:38
S13 8	1	385/14.ccls. and triplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:39
S13 9	1	S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:39
S14 0	73	385/14.ccls. and photodiode with laser with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:39
S14 2	34	S140 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:40
S14 3	124	S135 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:42
S14 4	2	S136 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:42

## EAST Search History

S14 5	4	"6498666".pn. "6536957".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:52
S14 6	2	"6536957".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/20 15:34
S14 7	1	S146 and "1310" same filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/20 15:18
S14 8	2	"6498666".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/20 14:48
S14 9	0	S146 and "1310" same laser and "1490" same (photodiode photodetector) and "1550" same (photodiode photodetector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/20 15:19
S15 0	1	S146 and "1310" same laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/20 15:19
S15 1	0	S146 and filter with photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/20 15:35
S15 4	1	S146 and filter with photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/24 11:55
S15 5	2	"20030147601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/24 11:58
S15 6	4	S155 "6536957".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/24 11:59

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S15 9	2	S156 and filter\$3 same "1310"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/24 11:59
S16 0	904	398/79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 18:26
S16 1	421	385/14.ccls. and @pd>="20050505"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 18:27
S16 2	72	laser same first near3 (photo\$1diode photo\$1detector) same second near3 (photo\$1diode photo\$1detector) same align\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/22 18:29
S16 3	48	(laser and first adj (photo\$1diode photo\$1detector) and second adj (photo\$1diode photo\$1detector) and filter\$3).clm.	US-PGPUB	OR	ON	2006/03/22 18:31
S16 4	7	(laser and first adj (photo\$1diode photo\$1detector) and second adj (photo\$1diode photo\$1detector) and filter\$3 and align\$4).clm.	US-PGPUB	OR	ON	2006/03/22 18:31
S16 5	8	("4127862" "6271943" "6930336"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 12:37
S16 6	2190	385/88.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 12:42
S16 7	914	385/89.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 12:42
S16 8	1645	385/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 12:42



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S16 9	493	385/94.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 12:43
S17 0	2648	257/79,80,84.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/28 12:42